

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF APS AND SIGNS AT THE INTERSECTION OF MD 45 (YORK ROAD) AND I-695 OFF RAMP E. MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA THREE-PHASE FULL-TRAFFIC-ACTUATED MODE. THE MD 45 THOUGH MOVEMENTS OPERATE CONCURRENTLY WITH THE PEDESTRIAN PHASE FOR THE EAST LEG OF MD 45.

CONTROLLER REQUIREMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED EIGHT-PHASE TRAFFIC SIGNAL CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL REMAIN. A 2-WIRE APS CENTRAL CONTROL UNIT SHALL BE FURNISHED BY THE CONTRACTOR AND INSTALLED BY SHA.

SPECIAL NOTES

APS WILL FUNCTION AS FOLLOWS:

TO CROSS I-695 OFF RAMP:

- A. WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT MESSAGE WILL BE "WAIT TO CROSS RAMP AT YORK. WAIT."
- B. WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

EQUIPMENT LIST "A, B & C"

A. EQUIPMENT TO BE SUPPLIED BY SHA.

ITEM NO.	DESCRIPTION
9750	SHEET ALUMINUM GROUND MOUNTED SIGN 2 - W11-2 FY 36"X36" 2 - M6-2(1) FY 30"X24"
9751	SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN 2 - R10-3(1) 9"X15"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	DESCRIPTION
1001	MAINTENANCE OF TRAFFIC
2001	CLASS 2 EXCAVATION
6001	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH
6002	5 INCH CONCRETE SIDEWALK
6003	DETECTABLE WARNING SURFACE FOR CURB RAMPS (TYPE 3 BRICK PAVERS)
8002	2-WIRE CENTRAL CONTROL UNIT
8008	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8024	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8041	WOOD SIGN SUPPORTS UP TO 4 "X 6"
8042	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8055	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)

C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

UNIT	QUANTITY
SF	28
SF	2
EA	1
CY	4
LF	156
SF	988
SF	65
EA	1
EA	2
EA	1
LF	37
SF	30
LF	140

PHASING CHART

NO PHASING CHANGES

GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
- ALL UNUSED CABLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SECTION 4E.09 AND FIGURE 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE." IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
- PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON. NOT CENTER OF POLE TO CENTER OF POLE.
- PUSHBUTTON ARROWS AND SIGNS ARE TO BE ORIENTED PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.

WIRING KEY

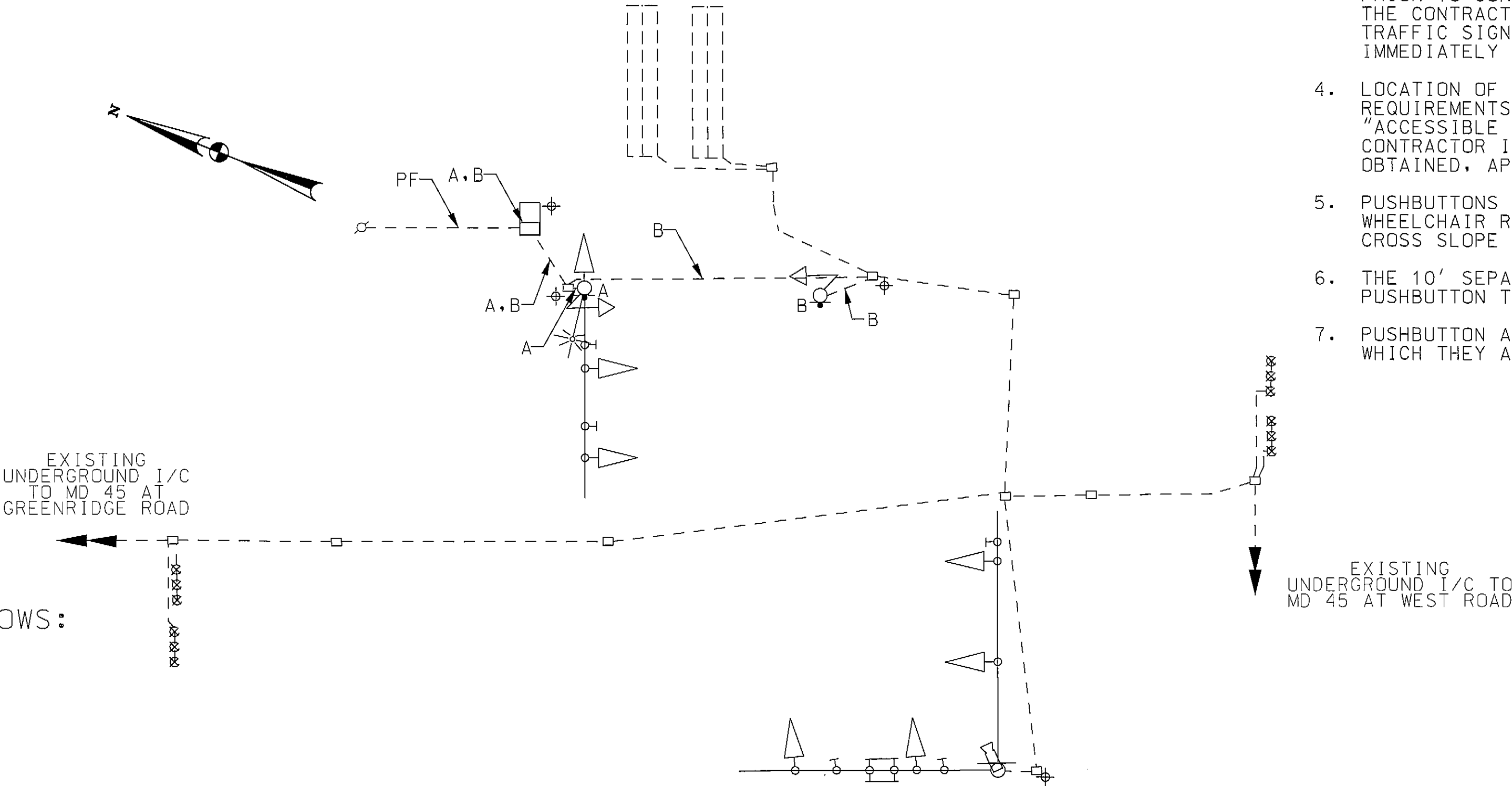
A,B

2-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

PF

EXISTING POWER FEED

EXISTING GROUND ROD



TOD NO: XY125-16  
SHA NO: BA087B5A  
MD 45 @ I-695; West Rd/Bosley Ave./Washington Ave.

CONTACT PERSONS FOR DISTRICT #4 ARE AS FOLLOWS:

- MR. ERIN KUHN

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- MR. ANDRE FUTRELL

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CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:

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ASSISTANT DIVISION CHIEF

TRAFFIC OPERATIONS

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SHA

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 45 (YORK ROAD) AT I-695 RAMP

TOWSON, MARYLAND

RK&K

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Engineers Construction Managers Planners Scientists

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REVISIONS	GENERAL INFORMATION SHEET		
	SCALE	DATE	CONTRACT NO.
	None	OCTOBER 2012	XY1255185
	DESIGNED BY	COUNTY	BALTIMORE
	DRAWN BY	LOGMILE	03004503.22
	CHECKED BY	TIMS NO.	L667
	FAP NO.	TOD NO.	
	TS NO.4115A-G1	DRAWING SP-08 OF 08	SHEET NO. 8 OF 12